

# SYSTEM AND METHOD FOR OPTIMIZING LINK THROUGHPUT IN RESPONSE TO NON-CONGESTION-RELATED PACKET LOSS

## ABSTRACT

5           A system, apparatus, and method for providing secure loss recovery for  
packet loss due to bit errors and other non-congestion-related packet loss occurring over  
the communication link. An intermediary node in a network between a sending node and a  
receiving node identifies packet loss due to bit errors (PLB), or other non-congestion-based  
packet loss, over a network connection between the sending module and the network node.  
10   A loss notification signal is sent from the network node to the sending module in response  
to identification of the non-congestion-based packet loss. The PLB is verified at the  
sending module. A first loss recovery procedure is performed, different from a second loss  
recovery procedure associated with congestion-based packet loss, if the PLB is verified at  
the sending module.